PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :
C12N 15/57, 15/86, A61K 48/00, C12Q 1/68, C12N 15/11

A1

(11) International Publication Number: WO 99/06576

(43) International Publication Date: 11 February 1999 (11.02.99)

(21) International Application Number: PCT/US98/16312

(22) International Filing Date: 4 August 1998 (04.08.98)

(30) Priority Data:

60/054,523	4 August 1997 (04.08.97)	US
60/076,545	2 March 1998 (02.03.98)	US
09/127,834	3 August 1998 (03.08.98)	US

(71) Applicant *(for all designated States except US)*: CALYDON, INC. [US/US]; 1324 Chesapeake Terrace, Sunnyvale, CA 94089 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: YU, De-Chao [CN/US]; 1046 Eagle Lane, Foster City, CA 94404 (US). HERDENSON, Daniel, R. [US/US]; 955 Matadero Avenue, Palo Alto, CA 94306 (US). SCHUUR, Eric, R. [US/US]; 2493 Waverley, Palo Alto, CA 94301 (US).

(74) Agents: POLIZZI, Catherine, M. et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: A HUMAN GLANDULAR KALLIKREIN ENHANCER, VECTORS COMPRISING THE ENHANCER AND METHODS OF USE THEREOF

(57) Abstract

Enhancers which preferentially increase the transcription of cis-linked coding sequences in prostate cells are provided. Methods of using DNA constructs comprising the enhancers to control transcription of heterologous polynucleotides are also provided. Delivery vehicles comprising the enhancers and methods of using the vehicles are also provided. Adenovirus vectors in which one or more genes are under transcriptional control of the enhancers of the invention are also provided. Further provided are methods of using the adenovirus vectors of the invention to confer selective cytotoxicity in mammalian cells.